

Title (en)
BATTERY MODULE

Title (de)
BATTERIEMODUL

Title (fr)
MODULE DE BATTERIE

Publication
EP 3699979 A4 20201216 (EN)

Application
EP 19870046 A 20191126

Priority
• CN 201822267068 U 20181229
• CN 2019120880 W 20191126

Abstract (en)
[origin: EP3699979A1] The present disclosure relates to a battery module, including two or more battery cells, each including an electrode terminal; a connecting member, wherein the electrode terminals of adjacent battery cells are connected by the connecting member; and a clamping-sampling member, including a wire connection portion for fixing a wire harness and a clamping portion, wherein one end of the clamping portion is connected with the wire connection portion and the other end of the clamping portion clamps the connecting member. The wire harness for information collection in the battery module is connected to the connecting member by clamping the connecting member to the clamping-sampling member, instead of directly welding the wire harness with the connecting member. The information collection is achieved by directly fixing the wire harness on the wire connection portion and then clamping the connecting member to the clamping portion, which can effectively improve connection strength between the wire harness for information collection and the connecting member.

IPC 8 full level
H01M 2/20 (2006.01); **H01M 10/42** (2006.01); **H01M 10/48** (2006.01); **H01M 50/50** (2021.01); **H01M 50/503** (2021.01)

CPC (source: EP US)
H01M 6/50 (2013.01 - EP US); **H01M 10/42** (2013.01 - EP); **H01M 10/48** (2013.01 - EP US); **H01M 10/482** (2013.01 - EP US); **H01M 50/50** (2021.01 - EP US); **H01M 50/503** (2021.01 - EP US); **H01M 50/517** (2021.01 - US); **H01M 50/569** (2021.01 - US); **H01R 4/184** (2013.01 - US); **H01R 4/48** (2013.01 - US); **H01M 2220/20** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
• [XAI] US 2011045329 A1 20110224 - IKEDA TOMOHIRO [JP], et al
• [X] CN 104685666 A 20150603 - BOSCH GMBH ROBERT, et al
• [X] DE 102009033044 A1 20100304 - YAZAKI CORP [JP]
• See references of WO 2020134799A1

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3699979 A1 20200826; **EP 3699979 A4 20201216**; **EP 3699979 B1 20211103**; CN 209447908 U 20190927; EP 3944397 A1 20220126; EP 3944397 B1 20221221; EP 3944398 A1 20220126; EP 3944398 B1 20221019; ES 2899629 T3 20220314; US 11050125 B1 20210629; US 11641046 B2 20230502; US 2021218117 A1 20210715; WO 2020134799 A1 20200702

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EP 19870046 A 20191126; CN 201822267068 U 20181229; CN 2019120880 W 20191126; EP 21193751 A 20191126; EP 21193753 A 20191126; ES 19870046 T 20191126; US 201916760166 A 20191126; US 202117148601 A 20210114